Index of Claims

Application.	Control	No.
--------------	---------	-----

Applicant(s)/Patent under Reexamination

10/560,873

Examiner

KLEIHORST ET AL. Art Unit

Louis M. Arana

2859

1	Rejected
=	Allowed

_	(Through numeral) Cancelled
÷	Restricted

N	Non-Elected
-	Interference

A	Appeal
0	Objected

		_	<u> </u>				J		Ь	_
Cla	im .	Ι								
<del>ات ا</del>										
Final	Original	4/11/07								
		1	-	-	_	-	_	┝	-	-
	2	ō	$\vdash$		├-			H	H	t
	2	0	$\vdash$		H	_		$\vdash$	$\vdash$	
	4	0	┢		_	_		H		_
	5	0	_			┪	_	T		Г
	6	0	$\vdash$						T-	
	7	0						Г		Г
	8	0								
	9				L					
	10		ļ	_	_	_	L	<u></u>		
	11	L	_	_		<u> </u>	_	L	_	_
	12	<u> </u>	_	_	<u> </u>	_	$\vdash$	-	_	_
	12 13 14	-		_	$\vdash$	-	<u> </u>	_	<u> </u>	ļ
<b> </b>	14		-	_	$\vdash$	$\vdash$	-	<del> </del>	$\vdash$	$\vdash$
	15 16		-	├	┝	-	$\vdash$		$\vdash$	-
<del> </del>	17	_	├─	<del> </del>	┢	┝	-	-	$\vdash$	⊢
$\vdash$	18	-	$\vdash$	$\vdash$	├╌		┢		┢	┝
	18 19	1		$\vdash$	├	-	$\vdash$	-	┢	┝
	20	-		$\vdash$	<u> </u>	-				H
	21		<u> </u>			$\vdash$				H
	22					Г				
	23			L						
	24	Ш								
	25	Щ	L_	_	_					
L	26	_			_	L_		L		_
<u> </u>	27		_	_	_	_		<u> </u>	_	L
$\vdash$	28			_			<u> </u>	_	<u> </u>	L
	29 30	H	-	_		<u> </u>	_	├—	_	_
$\vdash$	31		-			_	<del>  -</del>	-	<u> </u>	
<del></del>	32		-	_		$\vdash$	├-	┢	<del> </del>	
	32 33					$\vdash$		$\vdash$	<del> </del>	
	34	Н		$\vdash$			Н	$\vdash$	<del> </del>	_
	35			Т			Н	Т	$\vdash$	Т
	36					$\Box$	Г	Г	$\Box$	
	37									
	38									
	39						L.			
	40				<u>L</u> .	<u> </u>		_	L	
	41	_	Ш	_	<u> </u>	_		<u> </u>	_	ļ
$\vdash \dashv$	42	Щ	Н	_	_	_	_		<u> </u>	
	43 44	_	$\vdash$			<u> </u>		-		-
	45							⊢	-	
	46	-	$\vdash$		$\vdash$	-	-	$\vdash$	$\vdash$	_
	47	$\vdash$			-	-	-	$\vdash$	-	_
-	48	Н	-	_	-		_		$\vdash$	_
	49	Н				Н	_	Н	$\vdash$	-
	50	Н				Н		Н	$\vdash$	_

The state of the	Cla	im _	Γ_				Dat					1 1	Cla	aim	Г	_			Date	<u> </u>			
1   √   51   52   3   6    6   6   6   6   6   6   6   6   6   6   6   6   6   6   6    6   7   7   7   7   7   7 <td>٦</td> <td></td> <td></td> <td></td> <td>Т</td> <td>Τ-</td> <td></td> <td>Ī</td> <td></td> <td></td> <td>Г</td> <td>1 1</td> <td></td> <td></td> <td><del>                                     </del></td> <td>Γ-</td> <td>Г</td> <td>Г</td> <td></td> <td>Ť</td> <td></td> <td></td> <td>П</td>	٦				Т	Τ-		Ī			Г	1 1			<del>                                     </del>	Γ-	Г	Г		Ť			П
1   √   51   52   3   6    6   6   6   6   6   6   6   6   6   6   6   6   6   6   6    6   7   7   7   7   7   7 <td>;  </td> <td>па</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>   </td> <td>=</td> <td>a</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>	;	па	0										=	a		1						1	
1   √   51   52   3   6    6   6   6   6   6   6   6   6   6   6   6   6   6   6   6    6   7   7   7   7   7   7 <td></td> <td>Ē</td> <td>=</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ŀ</td> <td>1 1</td> <td>Ë</td> <td><u>:</u>Ē</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>l</td> <td></td>		Ē	=		1						ŀ	1 1	Ë	<u>:</u> Ē	1							l	
1   √   51   52   3   6    6   6   6   6   6   6   6   6   6   6   6   6   6   6   6    6   7   7   7   7   7   7 <td>٠  </td> <td>ō</td> <td>4</td> <td></td> <td>1</td> <td></td> <td></td> <td>i</td> <td>1</td> <td>l</td> <td></td> <td>1 1</td> <td>ш.</td> <td>ō</td> <td>ľ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>l</td> <td></td>	٠	ō	4		1			i	1	l		1 1	ш.	ō	ľ							l	
2     0     52     53     4     0     54     55     53     54     55     56     60     70     70     70     70	$\dashv$		<b> </b>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ	╙	<u> </u>	<u> </u>	1 1				_	_	_	_	_		L	
3     0     4     0     53     54     55     56     0     556     60     0     556     0     555     60     0     566     0     57     8     0     0     58     9     59     10     58     9     10     60     0     11     11     60     0     11     60     0     11     61     11     62     13     63     14     64     14     64     15     63     14     64     15     65     66     66     67     18     68     68     68     68     68     68     69     70     70     71     71     72     72     73     73     74     74     74     74     74     74     74     74     74     74     74     74     74     74     77     78     79     79     79     79     79     79     79     79     79     79     79     79	4	1		<u> </u>	_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1 1		51	<u> </u>			<u> </u>	<u></u>				$oxed{oxed}$
4   0   54   55   6     5   0   55   56   55   56     7   0   56   57   58   59 </td <td>_</td> <td>2</td> <td></td> <td>_</td> <td></td> <td>Щ</td> <td><u> </u></td> <td>_</td> <td>┕</td> <td></td> <td></td> <td>1 1</td> <td></td> <td>52</td> <td></td> <td></td> <td></td> <td>_</td> <td>L</td> <td></td> <td></td> <td></td> <td></td>	_	2		_		Щ	<u> </u>	_	┕			1 1		52				_	L				
5     0       6     0       7     0       8     0       9     10       11     60       11     61       12     62       13     63       14     64       15     66       16     67       18     68       19     68       20     70       21     71       22     73       23     74       24     74       25     75       26     76       27     73       28     79       30     80       31     81       32     82       33     83       34     84       35     86       37     88       82     83       33     83       34     84       40     90       40     90 <td>Ц</td> <td>_3_</td> <td></td> <td>_</td> <td></td> <td>L</td> <td></td> <td></td> <td></td> <td></td> <td><u></u></td> <td>IJ</td> <td></td> <td>53</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Ц	_3_		_		L					<u></u>	IJ		53									
6   0     7   0     8   0     9   0     10   0     11   0     12   0     13   0     14   0     15   0     16   0     17   0     18   0     19   0     20   0     21   0     22   0     23   0     24   0     25   0     26   0     27   0     28   0     30   0     31   0     32   0     33   0     33   0     34   0     35   0     36   0     37   0     38   0     37   0     38   0     37   0     38   0     37   0 </td <td></td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>54</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		4						<u> </u>						54									
6   0     7   0     8   0     9   0     10   0     11   0     12   0     13   0     14   0     15   0     16   0     17   0     18   0     19   0     20   0     21   0     22   0     23   0     24   0     25   0     26   0     27   0     28   0     29   0     30   0     31   0     32   0     33   0     34   0     35   0     36   0     37   0     38   0     37   0     38   0     37   0     38   0     39   0 </td <td></td> <td>5</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>l</td> <td>] [</td> <td></td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		5	0								l	] [		55									
7     0     57     58     9       9     10     60     60     60     60     61     61     62     63     63     64     63     64     65     65     66     66     67     68     66     67     68     68     69     69     69     69     70     71     72     72     73     74     74     72     73     77     77     77     77     78     79     30     80     31     81     82     33     83     83     34     84     84     84     84     84     84     84     84     84     85     36     86     85     33     83     83     83     83     89     90     90     90     90     90     90     91     91     92     92     93     93     94     94     94     94     94     94     94     94     95     96     97     97     97		6	0		Γ.							1 1		56									
8   0   58   59     10   60   61     11   62   63     13   63   63     14   64   64     15   65   66     16   67   67     18   68   69     20   70   71     21   72   73     22   73   74     25   75   75     26   76   77     28   79   30     30   80   81     31   81   82     33   83   83     34   84   84     35   85   86     36   86   87     37   87   88     39   90   90     40   90   90     41   91   92     43   94   94     45   96   96	╗	7	0									1 1		57	Г		$\vdash$	$\vdash$	Г				
9   59     10   60     11   61     12   62     13   63     14   64     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   94     44   94     45   96     46   96			0									1 1		58	İ			$\vdash$	_				
10	$\neg$	9	_	$\vdash$		$\vdash$	_	_		_	-	1 1		59	$\vdash$	_		_	_				
111   12   61   62     13   63   64   65     14   65   66   66     17   67   68   69     19   69   70   71     20   70   71   72     23   73   74   72     23   73   74   74     25   75   76   77     28   79   30   80     31   81   82     29   79   80   81     33   84   84     35   86   83     36   86   83     37   88   89     40   90   90     41   91   92     43   94   94     44   94   94     44   94   94     44   96   96     47   97   97	٦	10	-	$\vdash$		<del> </del>		$\vdash$	$\vdash$	$\vdash$	1-	1 1		60	$\vdash$	_	-	-	$\vdash$	$\vdash$			-
12   13   62   63     14   64   65   65     15   65   66   67     16   67   68   68     19   69   70   71     20   70   71   72     21   71   72   73     24   74   74   74     25   75   76   77     28   79   30   80     31   80   80   81     32   32   82   83     33   84   84   84     35   86   86   86     37   88   88   88     39   90   90   90     41   91   92   93     44   94   94     44   94   94     44   94   95     46   96   96     47   97   97	$\dashv$	11	$\vdash$		-	╁	┢	_	┢	$\vdash$	$\vdash$	1 1		61	$\vdash$	_	_	H	┝	-	-	_	
13   14   63   64     15   66   66   67     16   66   67   68     17   68   69   70     20   70   71   72     21   72   73   74     22   73   74   75     26   75   76   77     28   79   30   80     31   81   82     33   81   82     33   83   84     35   86   86     37   38   88     39   90   90     41   91   91     42   92   93     43   94   94     44   94   94     44   96   96     47   97   97	-		$\vdash$	-	$\vdash$	┢	⊢	-	⊢	⊢	-	{		62	⊢	_	$\vdash$	H	-			_	
14   64     15   65     16   66     17   68     18   69     20   70     21   71     22   73     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     96   97	$\dashv$	12	-	├	⊢	-	<del> </del>	_	_	-		{	-	62	$\vdash$	_	_	⊢	-	_	_	_	<u> </u>
15   65     16   66     17   66     18   68     19   69     20   70     21   71     22   73     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   86     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   95     46   96     47   97		13	-	<u> </u>	⊢	$\vdash$	<del> </del>	_		_	-	{		63	├	_	_	_	_		_		
16   17   66   67     18   68   69     19   70   70     21   71   72     23   73   74     24   74   75     26   76   77     28   79   78     29   79   30     30   80   81     32   82   82     33   83   83     34   84   83     35   86   86     37   88   89     40   90   90     41   91   91     42   92   93     43   94   94     44   95   96     46   96   97	-				<u> </u>	_	⊢	_	_	<u> </u>	<u> </u>		—		┞				<u> </u>	_	_		Щ
17   18   67   68     19   69   70   71     21   71   72   72     23   73   74   74     25   75   76   77     28   78   79   80     30   80   81   82     33   81   82   83     33   84   84   85     36   86   86   87     38   88   88   89     40   90   90   91     41   91   92   94     43   94   94   94     45   96   96   96     47   97   97   97	$\dashv$	15		_	_	<u> </u>	<u> </u>	_		_	L			65					_				
18   68   69     20   70   71     21   72   72     23   73   74     25   75   26     27   77   78     28   79   30     30   80   81     31   81   82     33   83   83     34   84   84     35   86   86     37   87   88     39   90   90     41   91   92     43   94   94     45   96   96     47   97   97	_	16		_	_	_	L	_		_	_			66	_								
19   69     20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97	_			_	_	<u>L</u> .					<u> </u>			67	_								
20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97		18			L	<u> </u>				L	L	] [		68									
21   71   72     23   73   74     24   74   74     25   75   76     26   76   77     28   79   79     30   80   81     32   82   83     33   83   83     34   84   84     35   85   86     37   87   88     39   89   90     40   90   90     41   91   42     43   94   94     44   94   94     45   96   96     47   97   97							ļ.,					1 1		69	'								
22   72     23   74     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97		20										] [		70									
22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     47   97		21										l [		71									
23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     47   97		22										] [		72									
24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97		23										1 [		73									
25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   93     44   94     45   96     47   97	コ	24										1 1		74									П
26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     47   97	T	25										1		75					$\neg$	_			
27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   91     41   91     42   92     43   94     44   94     45   95     46   96     47   97	٦	26										ĺĺ											
28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97		27					$\vdash$	_	$\vdash$			li		77					_				Н
29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	┪	28							$\vdash$					78	$\vdash$	$\overline{}$	$\overline{}$	_	_				
30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97	╗	29							_	$\vdash$		lt			1				_	_		-	
31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	$\neg$	30		_	_			_	$\vdash$	$\vdash$		1 1		80					-				$\vdash$
32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	┪			_	_	$\vdash$		_	┰			1 1		81									Н
33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	7			_	$\vdash$		Н	_	$\vdash$	$\vdash$		lt	_						_	$\vdash$			H
34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	┪	33			<b>-</b>				$\vdash$	_		1 1		83	-		-			-			$\vdash$
35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	┪				$\vdash$	_			$\vdash$			1 1	-		-	-				_			-
36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	┪	35	_	-	┢	$\vdash$	_		$\vdash$	-		1 1		85				_			_		Н
37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97	┪		_	_	_		$\vdash$	$\vdash$	$\vdash$	┢	_	1 1	-	86				_		-	_	_	$\vdash$
38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97	┪	37	_		┢	┢	_	H	$\vdash$	<u> </u>	-	1 1											$\vdash$
39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97	┪	38	_		├	┢	_	-	$\vdash$	-		1 1	-		-				_	_	_		-
40	┪				-	$\vdash$	$\vdash$	-	_	$\vdash$		1 1			-	_	_	_	_	_		_	-
41 91   42 92   43 93   44 94   45 95   46 96   47 97	-	40		-	├─	$\vdash$		-	-	-	_	1 1	-	00	_				_				-
42 92   43 93   44 94   45 95   46 96   47 97	┪				┢	┝┈		-		$\vdash$	_	1 1			-			_		$\vdash$			$\vdash$
43 93   44 94   45 95   46 96   47 97	┥		_	_	$\vdash$	┝	-	-	-	-		H		91			_	_	_		_		Н
44 94   45 95   46 96   47 97	$\dashv$	42		-	_		_	_	_	-	$\vdash$				-	_							Н
45 95 96 96 47 97 97 97	4			-	-	H	⊢	$\vdash$	<u> </u>	-	-				$\vdash$		-		_	Н	$\square$	_	$\vdash\vdash$
46	$\dashv$				<u> </u>		_	$\vdash$		-	-				$\vdash$		_			$\vdash$	$\vdash$		$\vdash$
47 97	$\dashv$	45		-		$\vdash$	-		H	-	-			90	$\vdash$				-	Щ	$\Box$		Н
	$\dashv$		-		$\vdash$	<b>-</b> -	μ,	-	H	-	├				_	_	_	_	<u> </u>	Ш	$\Box$		Н
<del>                                    </del>	4					1	-	-	-	<u> </u>	<u> </u>				_					Ь.	$\vdash$		Н
	$\dashv$			_	$\vdash$	$\vdash$	-	-	-	$\vdash$	-		$\longrightarrow$	98	-	_				Н			Щ
	+		_	_	<u> </u>	$\vdash$			<b>-</b>	Н	<u> </u>				<u> </u>	_			$\vdash$	Щ	$\sqcup$		$\Box$
50   100   100	_1	<u> 50</u>			Ц.,		L			نبا		l L	l	100	l		_						

Cla	aim	Date									
Final	Original										
<u> </u>											
	101 102 103	_	_	<u> </u>	L	_	_	$ldsymbol{le}}}}}}$		<u> </u>	
	102		$ldsymbol{ld}}}}}}$	L		_	_	<u> </u>		Ш	
	103			L		_					
	104						<u> </u>	_	_		
<u></u>	105					_	<u> </u>		_		
<u> </u>	106				_		<u> </u>		_		
	107			L	$\vdash$	L	<u> </u>		<u> </u>	Н	
	108 109					<u> </u>	_	_	┡		
	110			$\vdash$		-	┝	-	<u> </u>	Н	
	111	_		-	_	_	-	_	├	Н	
$\vdash$	112	_	<u> </u>	$\vdash$	_	_	⊢	┝	┝	Н	
$\vdash$	112		$\vdash$	$\vdash$	-	-	$\vdash$	<del> </del>	-	$\vdash$	
-	114		$\vdash$	Н	Н	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н	
	113 114 115		$\vdash$	$\vdash$		$\vdash$	$\vdash$		<del>  -</del>	$\vdash$	
	116			$\vdash$	_	┢	┢		$\vdash$	Н	
	117						$\vdash$	Н		Н	
	118									H	
	119					$\vdash$	$\vdash$		$\vdash$	Н	
	120		Т				$\vdash$			П	
	119 120 121					Г	Г			П	
	122									П	
	123										
	122 123 124 125 126 127 128 129										
	125										
	126										
	127									Ш	
Щ	128					_			_	Ш	
	129		_		_	_				Щ	
Ш	130									Ш	
$\vdash$	130 131 132				_	_	_			Ы	
$\vdash$	132						_			Н	
$\vdash$	133 134									Н	
-	134						-			Н	
$\vdash$	135 136		_	_	-		-		_	Н	
	137			_		-	-	_		H	
$\vdash$	138			_						Н	
$\vdash$	139			_		_			$\vdash$	$\vdash$	
	140									Н	
	141			Н	$\Box$					H	
	142	_							$\vdash$	М	
П	143									П	
	144										
	145										
	146										
	147										
	148									Ш	
	149										
Ш	150							لـــا			